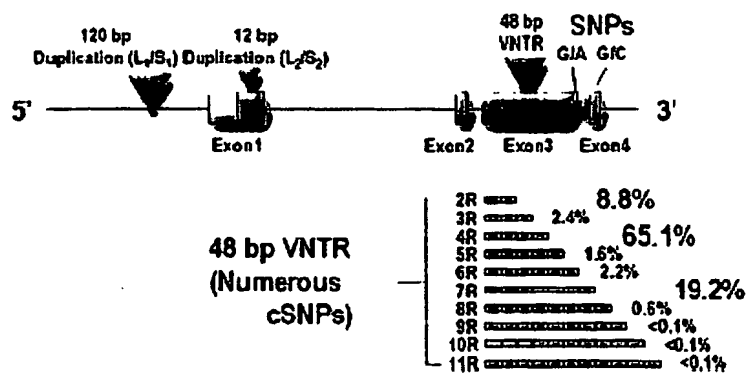


DRD4**FIG. 1**

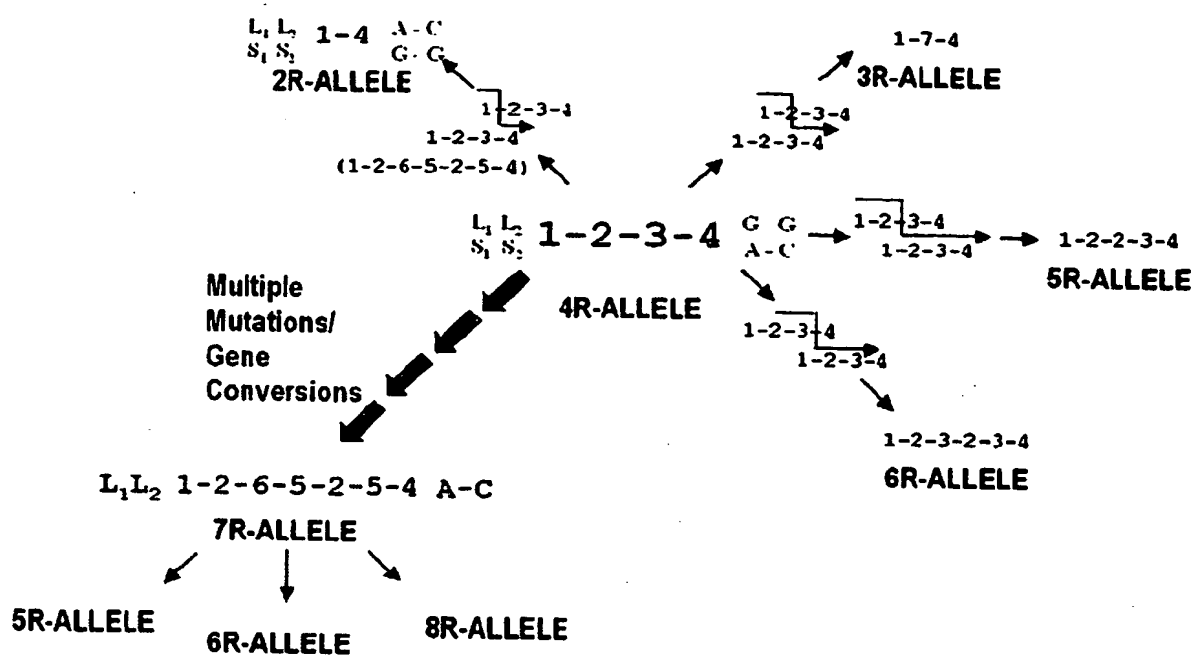


FIG. 3

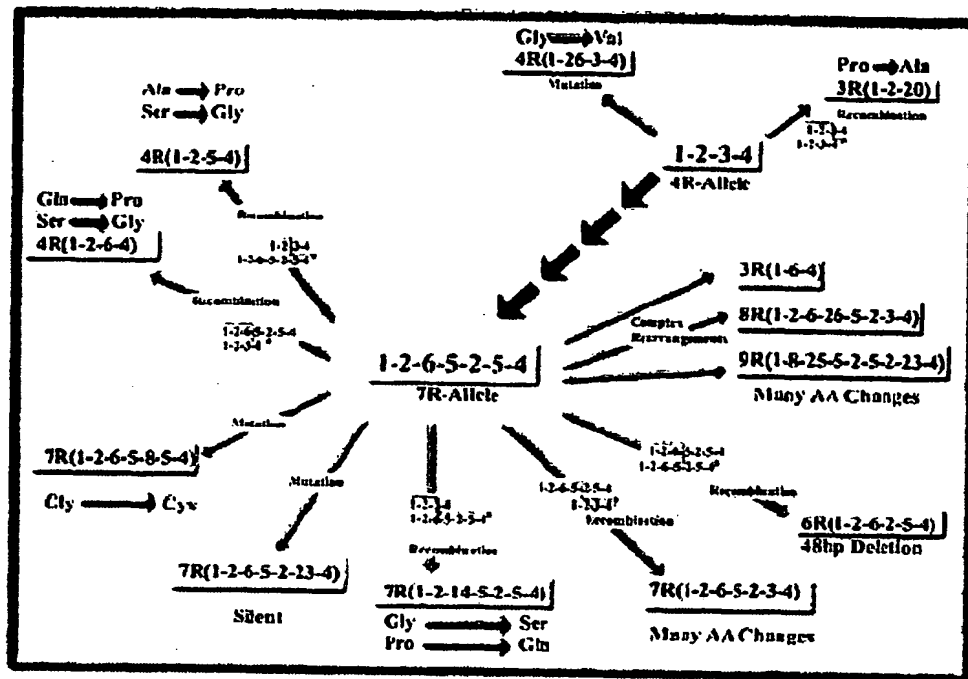
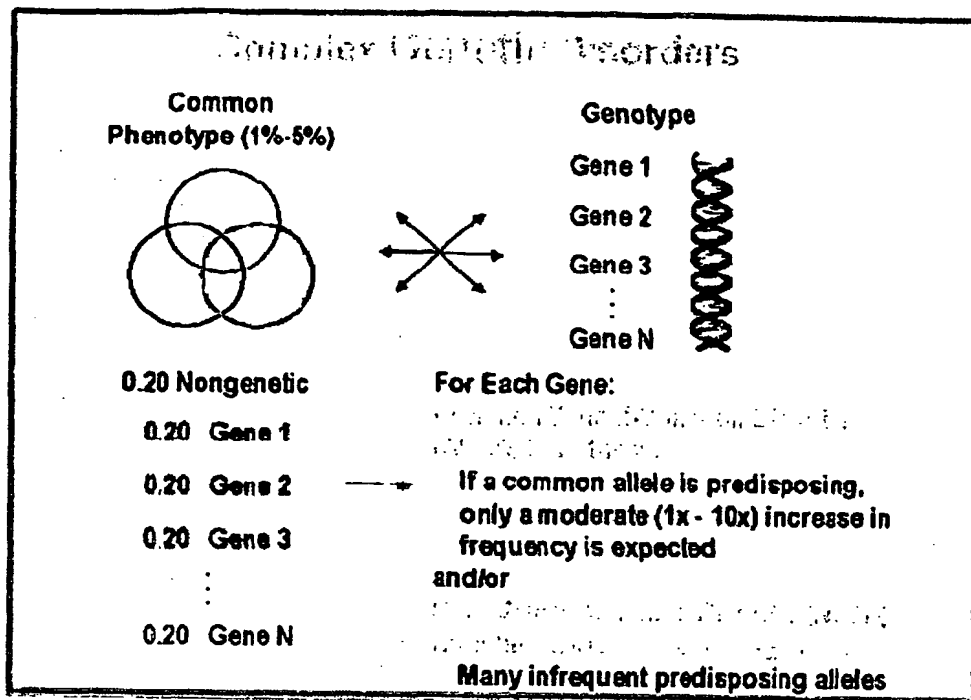


FIG. 4

**FIG. 5**

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Single Gene	Complex Genetic Disorder
Huntington Disease	"Neither Necessary nor Sufficient" Model - Three Genes
$A = 0.9999$ = Normal allele $a = 0.0001$ = Disease allele $a/x = 0.0002$ Disease frequency	$A = DRD4 \text{ non-7R} = 0.88$ $B = 0.95$ $C = 0.95$ $a = DRD4 \text{ 7R} = 0.12$ $b = 0.05$ $c = 0.05$ $a/x = 0.22$ $b/x = c/x = 0.10$
<u>5000-fold increase in a allele frequency</u>	Assuming Independent Assortment $(a/x)(b/x) = 0.02$ $(a/x)(c/x) = 0.02$ $(b/x)(c/x) = 0.01$
	Disease frequency = 0.05
	<u>2-4 fold increase in a, b, c allele frequencies</u>

FIG. 6

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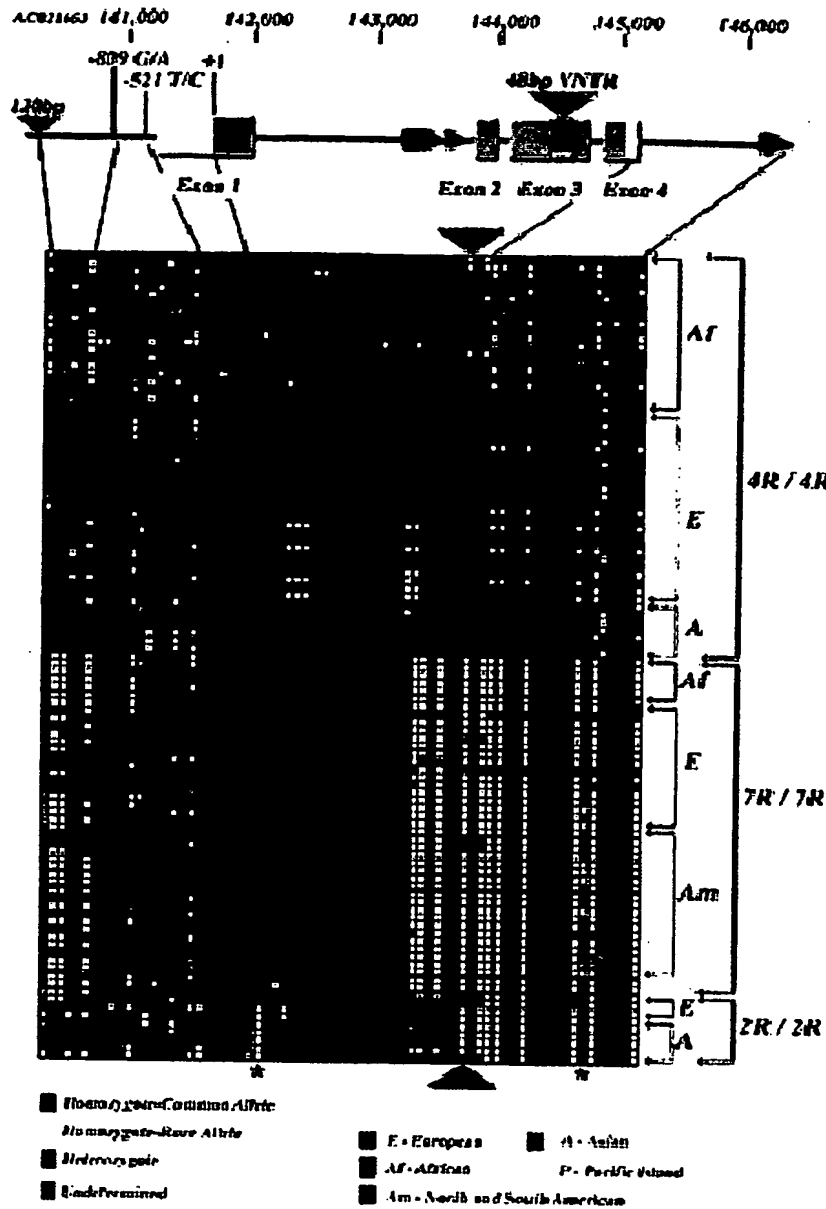


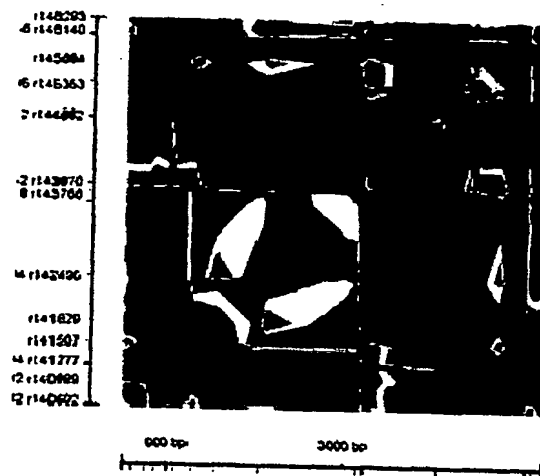
FIG. 7

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4R/4R

(n = 51)



7R/7R

(n = 43)

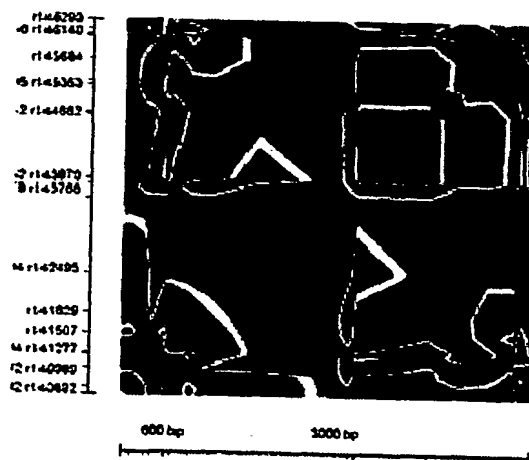


FIG. 8

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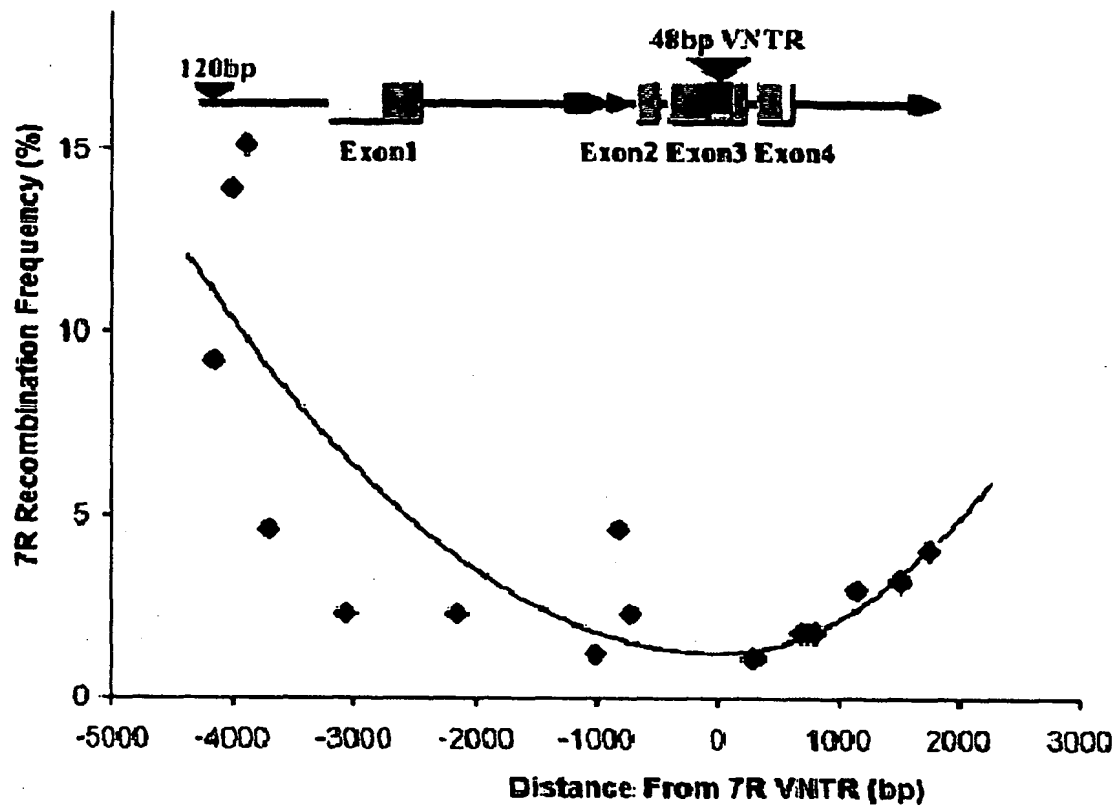


FIG. 9

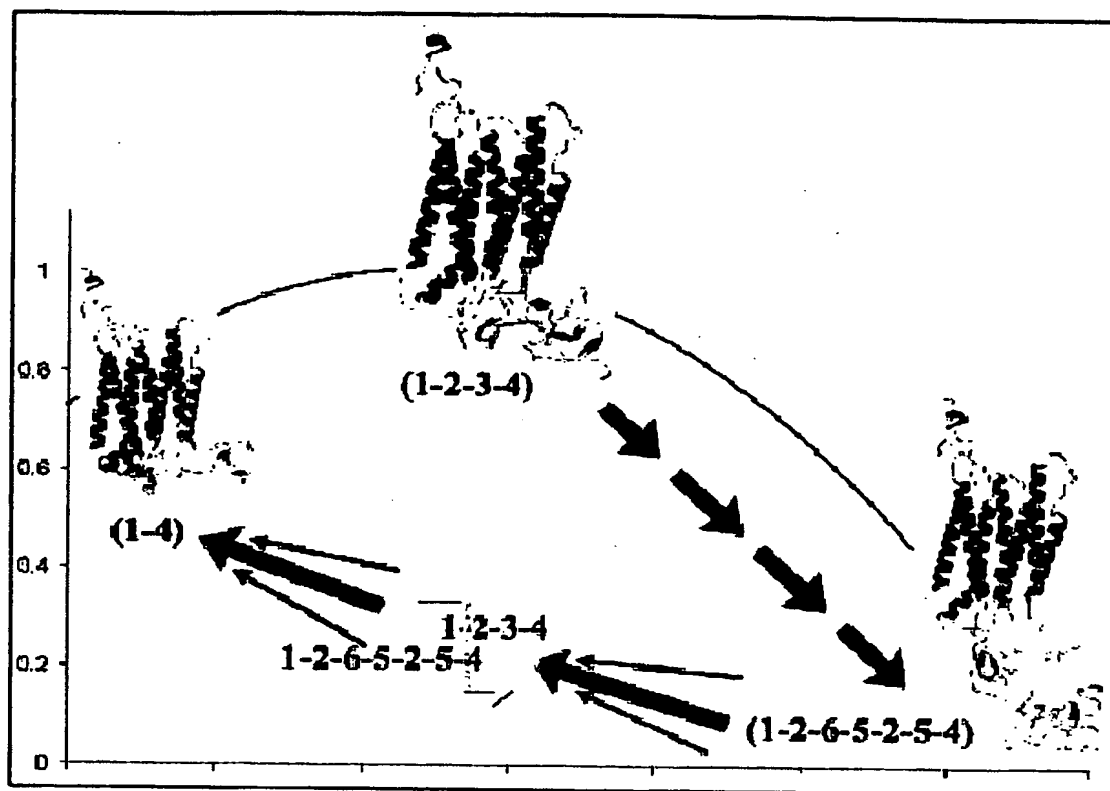


FIG. 10

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